
EIIS Incident Report

Part A: General Information

Incident ID
1026240-001

County: Merced	Incident Date: 2/25/2014 through	Year:
State: CA	Total Number:	Case #:
Country: USA	Total Magnitude: 7,800 colonies	Weather: Dry

Incident Type

Aqua. Animal	<input checked="" type="checkbox"/> Terr. Animal	Field Study
Aqua. Plant	Terr. Plant	

Created: #####

Updated: 4/8/2014

Abstract:

An anonymous commercial beekeeper who indicated that on February 25, 2014, he started to notice dead honey bees at the entrances to his colonies; on March 8, 2014, his crew started to notice dead brood in colonies that they were hoping to split (i.e., establish new colonies). The loss occurred in Merced County, California, where as many of 7,800 colonies were on contract for pollination services in six almond orchards operated by a single grower. According to the beekeeper, the orchard operator applied a tank mix of the fungicide Pristine (a.i. boscalid and pyraclostrobin) and the insect growth regulator Intrepid (a.i. methoxyfenozide) to almond orchards during the period of February 20, 26, 2014. The applications were during the day when bees were actively foraging in almond orchards that were at full bloom; applications were also made at night.

Reports

Package #	Incident #	Source	Report Date
026240	001	Pls. call EFED at the US EPA.	3/15/2014

ELIS Incident Report

Part B: Pesticide Information

I026240-001

County: Merced

State: CA

Date: 2/25/2014

Pesticide: Boscalid (128008)

Type: F

Use Site: Almond

Product: Pristine

Appl. Method: Air blast

Appl. Rate:

Formulation:

Air/Ground: Gnd

Legality: Undetermined

Certainty: Possible

It is possible an application of a tank mix of the fungicide Pristine® (boscalid and pyraclostrobin) and the insect growth regulator Intrepid® (methoxyfenozide) to almond orchards resulted in the deaths foraging bees. Waiting on lab results from the state of California.

Pesticide: Methoxyfenozide (121027)

Type: I

Use Site: Almond

Product: Intrepid

Appl. Method: Air blast

Appl. Rate:

Formulation:

Air/Ground: Gnd

Legality: Undetermined

Certainty: Possible

It is possible an application of a tank mix of the fungicide Pristine® (boscalid and pyraclostrobin) and the insect growth regulator Intrepid® (methoxyfenozide) to almond orchards resulted in the deaths foraging bees. Waiting on lab results from the state of California.

Pesticide: Pyraclostrobin (099100)

Type: F

Use Site: Almond

Product: Pristine

Appl. Method: Air blast

Appl. Rate:

Formulation:

Air/Ground: Gnd

Legality: Undetermined

Certainty: Possible

It is possible an application of a tank mix of the fungicide Pristine® (boscalid and pyraclostrobin) and the insect growth regulator Intrepid® (methoxyfenozide) to almond orchards resulted in the deaths foraging bees. Waiting on lab results from the state of California.

ELIS Incident Report

Part C: Species Information

I026240-001

County: Merced

State: CA

Date: #####

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Species: Honey bee

Response: Mortality

Sci. Name: Apis mellifera

Magnitude: 7,800 colonies

Taxon: Insect

Habitat: Orchard

Age:

Distance: Vicinity

Rt. of Exposure:

Necropsy

Number:

Condition:

Cholinesterase

Number:

Activity: um/g/min
Percent of Normal

Tissue Residues

Sample Type	PC Code	Pesticide	N	Conc. (ppm)
No Data				-

EHIS Incident Report

Part D: Environmental Measurements

County:

State:

Date:

Common Name

PC Code

Degredate

Concentrations
in ppb

Water

Soil

Sediment

Foliage

Min.

Max.

N

LOD

Description

Concentration

N

LOD

Other Samples

Dissolved Oxygen (ppm)

to

pH

to